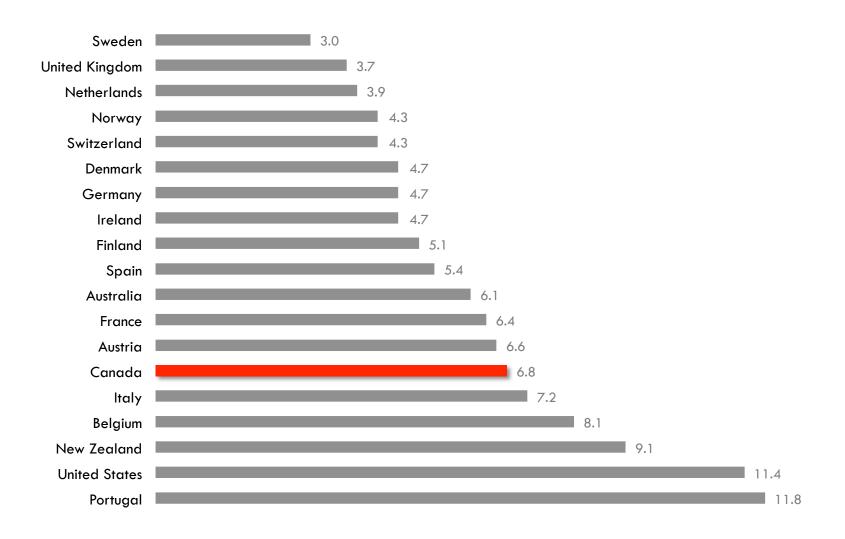
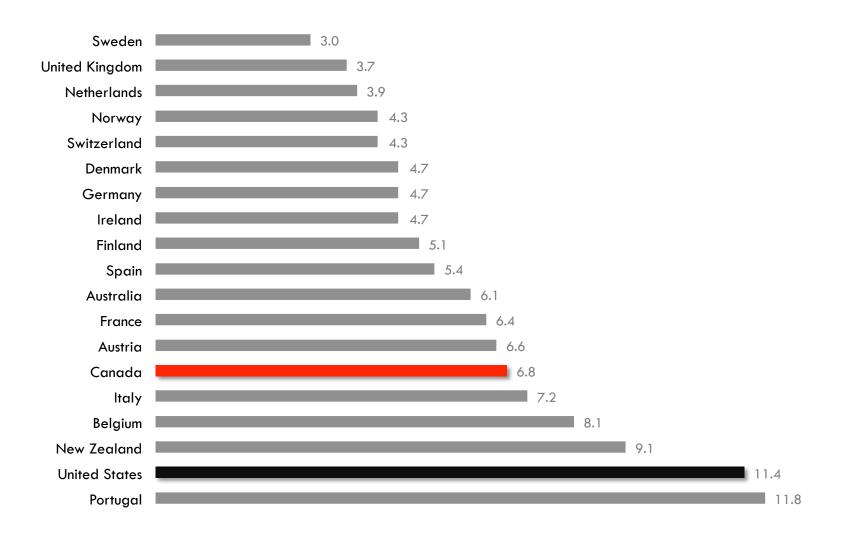


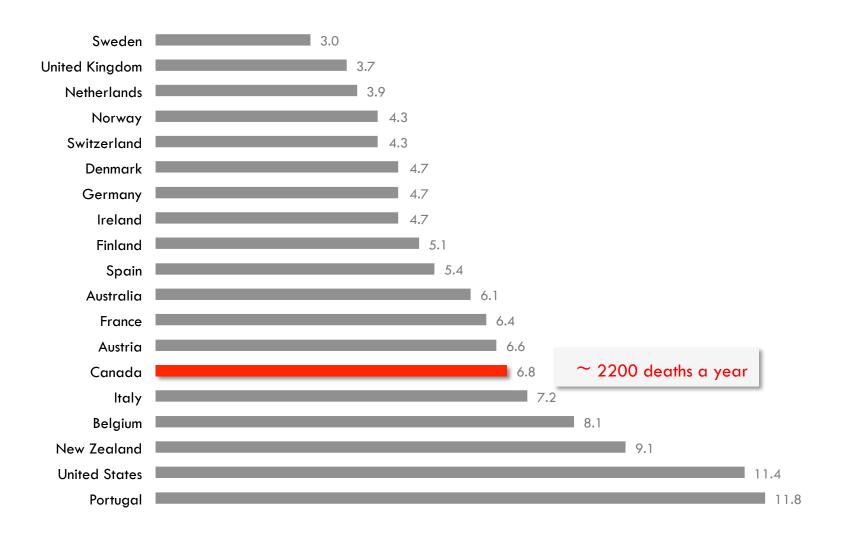
Traffic-related fatality rates

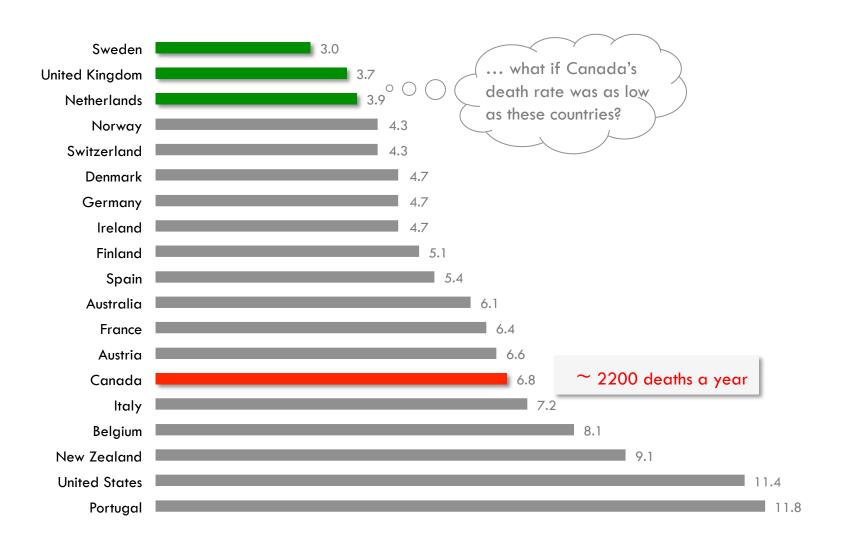
Comparisons between countries show opportunity for dramatic reductions in deaths in Canada

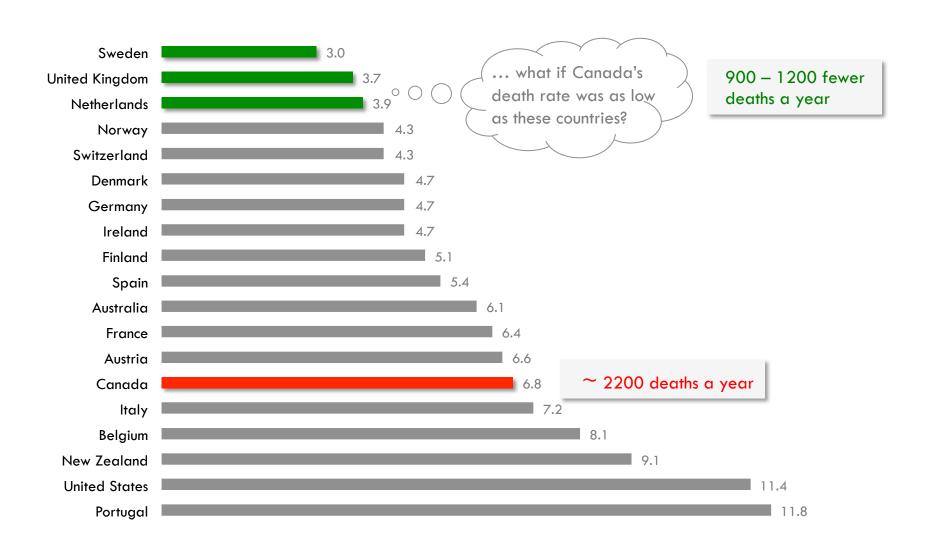












BUT...

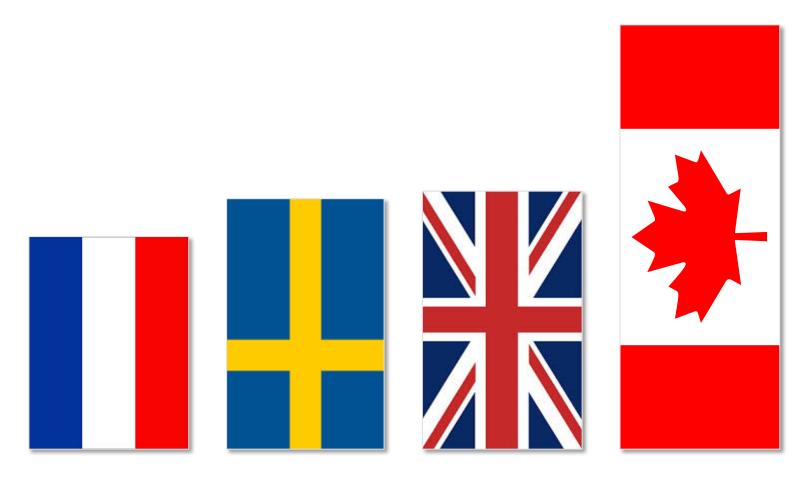
Bigger country, longer distances?



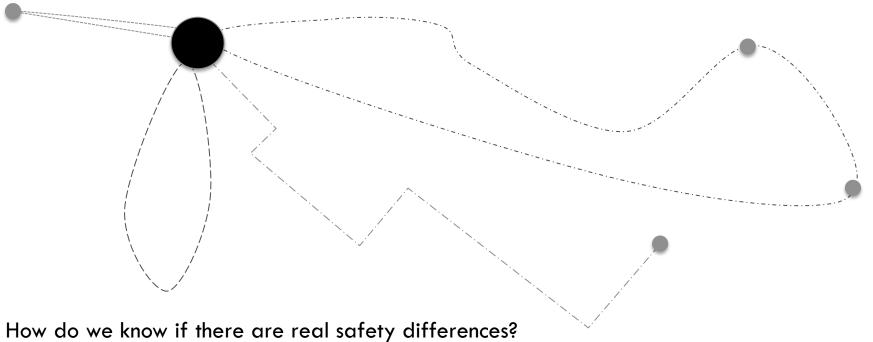
relative area of each country

BUT . . .

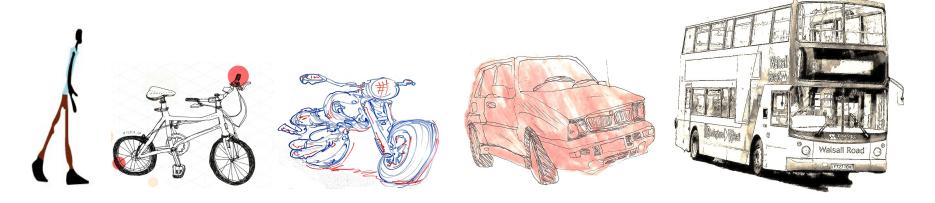
Different modes of travel?



relative % of trips by private motor vehicle in largest city of each country

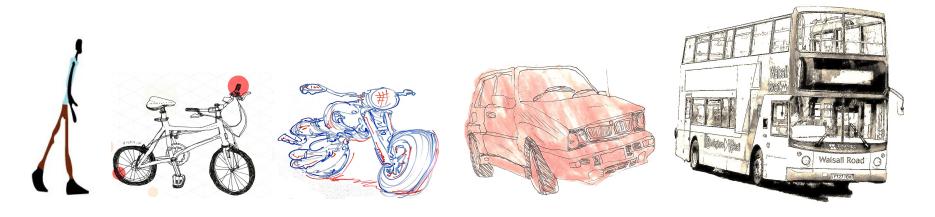


- use "exposure" as denominator: # of trips, distance travelled
- calculate risk for each mode of travel



Exposure & mode based death rates: data sources?

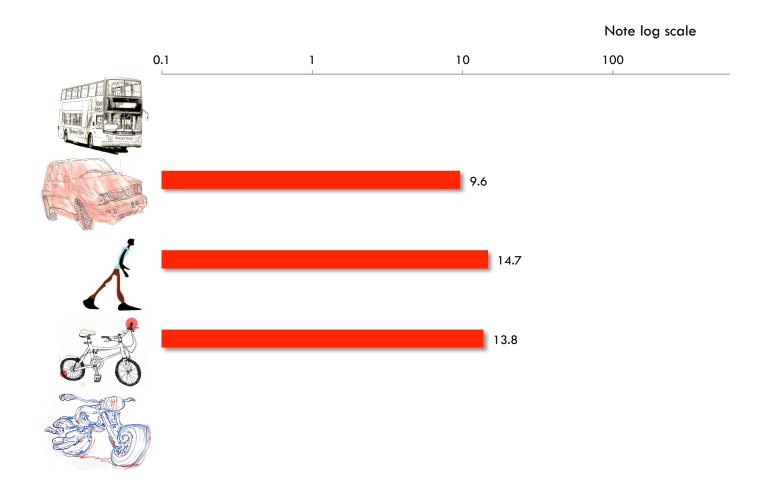
	# of trips	distance travelled	issues
Census Long Form, National Household Survey	work trips only	×	Underestimates walking Overestimates transit & driving
National trip diary survey	×	×	Not available in Canada
Regional trip diary surveys	✓	✓	Single region May combine some modes



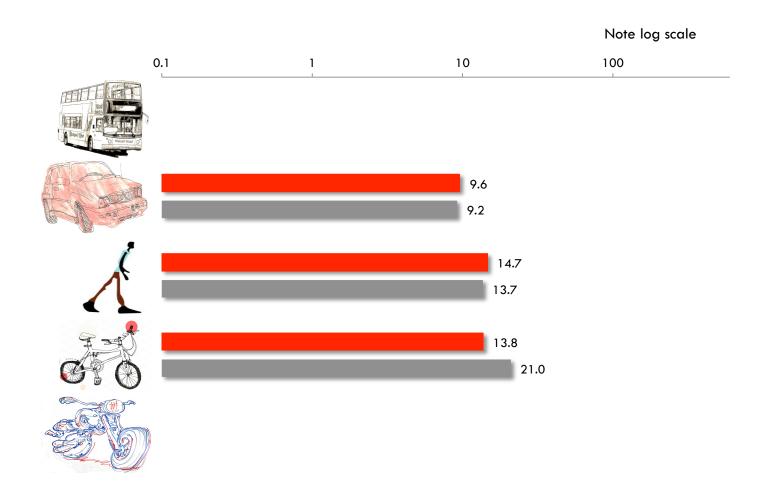
Exposure & mode based death rates: British Columbia

		Driving Walking Bicycling Motorcycling Transit		
deaths	deaths	✓ ✓ ✓ ✓ X	Motor Vehicle Branch 2005-7 average	
100 million person-trips	100 million km travelled	✓ ✓ ✓ × ✓	2008 TransLink Trip Diary Survey, MetroVancouver, adjusted to province as a whole via 2006 Census data	

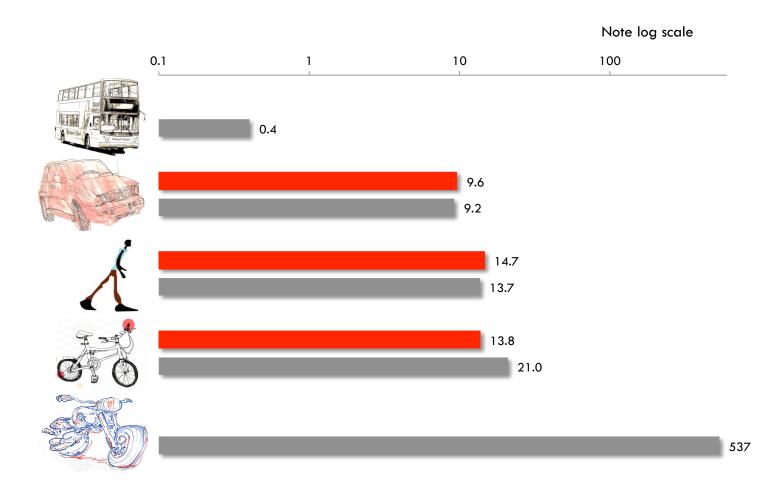
Deaths per 100 million trips: British Columbia



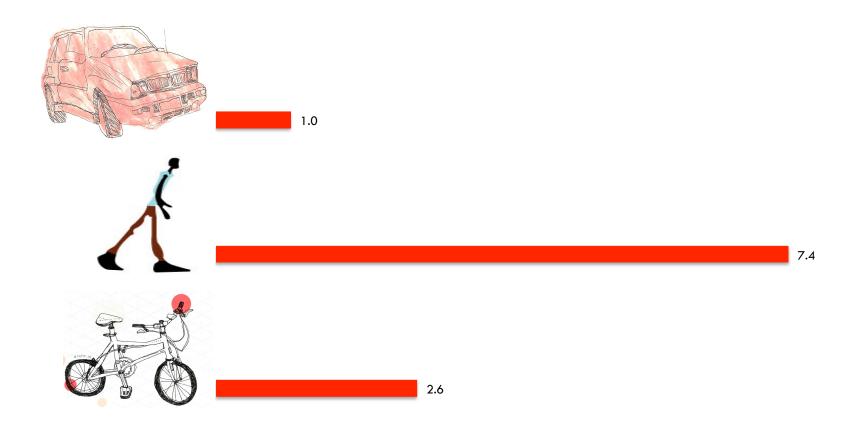
Deaths per 100 million trips: British Columbia vs. US



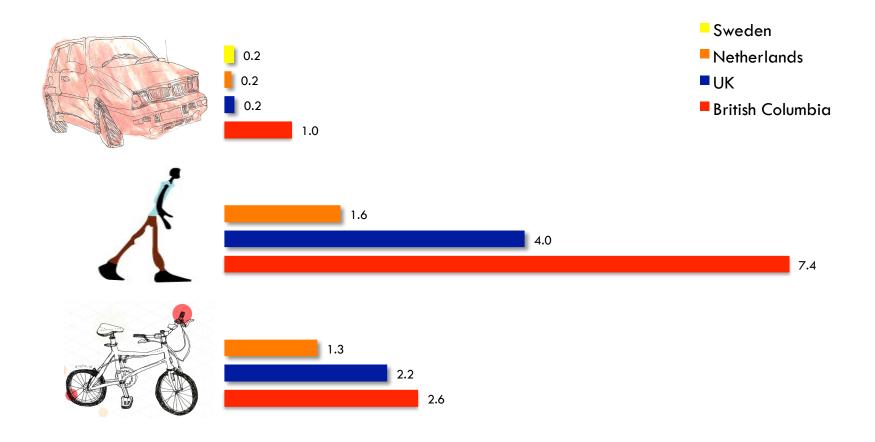
Deaths per 100 million trips: British Columbia vs. US



Deaths per 100 million km: British Columbia



Deaths per 100 million km: BC vs. best international



There are real differences in safety

What are the strategies of the safer countries?





Netherlands & Sweden
National injury & death reduction targets



City of London Corporation approves 20mph speed limit

Netherlands

60% of freeways 130 km/h 60% of rural roads \leq 60 km/h 70% of urban roads \leq 30 km/h





Netherlands Blood alcohol limit of 0.05 Sweden Blood alcohol limit of 0.02



City of London Corporation approves 20mph speed limit





Netherlands & Sweden

Separate fast & slow (vulnerable) traffic throughout transport network



Flickr photos: eflon, Paul Krueger, sakshi-sharma, ammiiirrrr



A Canadian target . . . halve traffic fatalities in 5 years



Road Traffic Death Rate: per 100,000 population all road transport modes

